

ABSTRACT OF THE DISCLOSURE

A fuel cell includes a membrane electrode assembly and first and second separators in the form of metal plates for sandwiching the membrane electrode assembly. An anode of the membrane electrode assembly has a gas diffusion layer, and a cathode of the membrane electrode assembly has a gas diffusion layer. Each of the gas diffusion layers includes a foamed member made of metal material such as stainless steel. Resinous flow field walls are provided in the foamed member by impregnation for forming a reactant gas flow field.